

ALESIS CORPORATION
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PRODUCT LINE

ALESIS

SR-16



AUDIO

MMT-8



16 Bit Stereo Drum Machine/Dynamic Articulation/Stereo Samples/Presets Patterns

The SR-16 combines the brilliant drum sounds that you would expect in an Alesis drum machine, sampled with our incomparable digital reverbs. The result is 233 brand new drum and rhythm samples mixed with variations of room ambience and hall and chamber reverbs. Our exclusive Dynamic Articulation™ feature enables a drum sound to change its tonal content depending on how hard it's hit, for astonishing realism. And if your rhythm programming chops are a little rusty, the SR-16 has 50 preset rhythm patterns programmed by an expert studio drummer. Each pattern has an A and B variation, plus an A and B Fill, for a total of four different rhythms in each pattern. You can put together a song in just minutes. For live performances you can even change A and B patterns and fills "on the fly" with a footswitch. For serious programmers and those who want to use it as a sound module, the SR-16 provides comprehensive programming and MIDI implementation.

Multi Track MIDI Recorder

The MMT-8 is the world's most popular hardware sequencer and the ultimate songwriter's tool. Easy to program, rock stable in its timing, as easy to use as an 8 track tape recorder, the MMT-8 also provides comprehensive editing and MIDI implementation. Team it up with a Data Disk SQ and SR-16 Drum Machine and/or a D4 Drum Module, to make an unbeatable writing and song production system.

D4



High Sample Rate 16 Bit Drum Module

The Alesis D4 is a single rack space drum sound module featuring over 400 sounds, many of which have been sampled with stereo reverb and ambience. In addition, our exclusive Dynamic Articulation™ feature enables a drum sound to change its tone and pitch depending on how hard it's hit—just like a real drum. The D4 features a trigger-to-MIDI converter with 12 audio trigger inputs, 21 programmable drumsets selectable via MIDI program change, and four outputs configured in two stereo pairs that allow you to place sounds across seven positions in each stereo field. The D4's 61 note MIDI note window lets you

access up to 61 drum sounds simultaneously. Also, the D4 includes a special trigger velocity curve designed to let you replace drum sounds on multitrack tape with sounds from the D4's extensive collection of drum samples. A data entry knob, 32 character backlit LCD and a velocity sensitive preview button make for easy setup. The D4 is perfect for the drummer using triggered samples, or for the MIDI musician using a computer and sequencing software who has no need for the sequencing features found in drum machines. Make a complete Alesis song-writing system with a D4, an MMT-8 sequencer and a Data Disk.

DATA Disk SQ



Direct MIDI to Disk/Universal Data Storage

Data Disk SQ fills the need for high quality, reliable System Exclusive (SYSEX) memory backup for MIDI equipment. Providing up to 800K of storage on a single 3.5" floppy disk, Data Disk SQ works fast because it writes directly to the disk and it uses logical one or two button routines to accomplish each task. Replace those expensive RAM and ROM

backup cards with inexpensive floppies, and store many times more information. And with the SQ feature, Data Disk records and plays back MIDI performance data, making it the perfect auxiliary hardware sequencer when you need a streamlined MIDI performance system.

A L E S I S P R

QUADRAVERB GT



20K Bandwidth Simultaneous Guitar Effects Processor

The Quadraverb GT includes all of the digital effects found in the Quadraverb, plus an analog guitar pre-amp section which features variable compression, overdrive, distortion, pre-amp tone curves and bass boost, a guitar amp/cabinet simulator, and a noise gate. In addition, the Quadraverb GT features an effects loop send and return. The Quadraverb GT has the edge on all other guitar signal processors with its unique ability to fine tune the harmonic structure

of your guitar tone through a powerful parametric equalizer section combined with the Quadraverb's resonators that actually extract and emphasize harmonics from your guitar. These analog effects, paired with the original Quadraverb's renowned digital effects, produce a complete guitar sound, from pre-amp to signal processing, all in one box. The Quadraverb GT will make your guitar sing.

QUADRAVERB Plus



20K Bandwidth Simultaneous Digital Effects Processor

The standard of the industry for simultaneous digital effects processing. Quadraverb is absolutely unrivaled for its power and audio quality. And now with the powerful Quadraverb Plus software added to the package, Quadraverb has no competition. A processor this powerful shouldn't be this easy to use. But it is. Quadraverbs are installed in thousands of major world class recording studios as well as tens of thousands of home studios. Many users own

two or three. Four or more simultaneous effects are available including: reverb, delay, chorus/flange/phase shift, pitch detune, parametric eq, graphic eq, multitap delays, resonator, programmable panning, ring modulators, and 1.5 seconds of sampling. Quadraverb has one of the most comprehensive real time MIDI implementations ever invented for a digital signal processor. 20kHz bandwidth and super quiet. Quadraverb is a necessity.

MIDIVERB III



16 Bit Simultaneous Digital Effects Processor

If you want to exercise more control over your digital effects but your budget sets some limits to your overall system plans, then Midiverb III is for you. Featuring a comprehensive editing system that lets you program your own effects and control them with real time MIDI for powerful, personalized mixes, the way you want them.

To get you started, there's 100 great factory programs and 100 memory slots for your own programs. Like all Alesis digital processors Midiverb III has the dense rich sound you can't get anywhere else. 15kHz bandwidth. Put some serious control into your next mix.

MICROVERB III

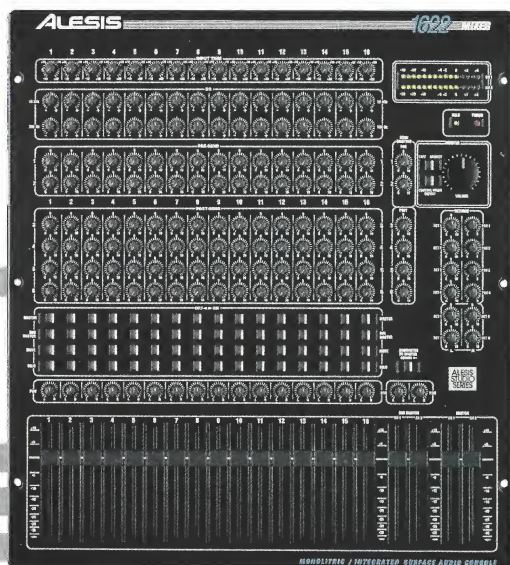


16 Bit Digital Reverb and Delay

Too busy to program? Your only desire is to write tunes and get them recorded fast, but you still like lots of reverb options for your mix? Microverb III is for you. With 256 programs it takes the Microverb theme to the limit. Reverbs, gated and reverse reverbs, delays and multi-tap delays, spatial enhancement programs and special effects.

Each reverb program has enough variations on the decay time, tonal character and reflections, so you're covered no matter how you want to shape your mix. And if a program is too bright or too dark, the 100Hz and 4kHz EQ controls allow custom contouring of each program. Microverb should be the center of all your music.

D U C T L I N E



1622 MIXER

Monolithic Integrated Surface Audio Console

Super quiet, solid and compact, the 1622 Mixer features 16 channels, 6 sends, 8 returns, XLR mic inputs on the first 8 channels, inserts on every channel, 2 submasters, and a left/right master buss. The 1622 is the only choice for the home studio owner who wants uncompromising, professional audio quality, and commercial studios requiring an additional submixer. The 1622 uses 1/4" jacks and XLR connectors exclusively, peak master LEDs to accurately monitor levels, and the convenient headphone jack gives you the option of monitoring quietly when necessary. 19" wide and only 12 rack spaces high, the 1622 is also perfect for keyboard and instrument rigs. Revolutionary Integrated Surface Technology™ makes the 1622 unbelievably affordable.

M-EQ 230

Dual 1/3 Octave Precision Equalizer

Two 30 band 1/3 octave graphic EQs in one 19" rack space, for less than the price of most single channel units. Like our 1622 Mixer, the M-EQ 230 uses Integrated Surface Technology™ to deliver more features and better audio performance than ever before in this essential studio building block. Use it for equalizing the response of your studio monitors, tone shaping for instruments during recording, re-equalizing mixdown tapes, for instrument rigs and sound reinforcement. You can even use the M-EQ 230 to get more punch out of your hifi system. Each channel covers 25Hz to 20kHz in 1/3 octave increments. Auto Power Muting protects your speakers by eliminating turn-on thump.



3630 COMPRESSOR

RMS/Peak Dual Channel Compressor Limiter with Gate

A good compressor is a necessity in all musical applications, ranging from recording to mixdown and instrument rigs to sound reinforcement. The 3630 is a professional, full-featured compressor limiter that can handle literally any signal you want to give it. Fully variable threshold, compression ratio, attack, release, and output level, and selectable peak/RMS, and hard knee/soft knee compression

styles, are what make the 3630 so flexible. The real bonus is that you get two channels for much less than most single-channel professional compressors. Input/output metering, gain reduction metering, adjustable gate, TRS sidechain for ducking and de-essing, and true stereo linkable operation complete this unbeatable compressor package.



RA-100

Reference Amplifier

The Alesis RA-100 Reference Power Amp is a 100 watt per channel power amplifier engineered to provide clean amplification with low noise and low distortion. Not only will the RA-100 provide clean, accurate reproduction of your mixes in studio applications, its rugged, reliable design also makes it perfect for PA and sound reinforcement applications. The RA-100 features large, built-in heat sinks

for high heat dissipation without a noisy fan-based cooling system, making it perfect for amplification in studios or any other environment where ambient noise is a concern. Whether used in studio applications, live sound reinforcement, or instrument amplification, the RA-100 provides clean, quiet, reliable power with the high quality found in all Alesis products.



S P E C I F I C

SR-16

Audio Outputs- 4 (2 stereo pairs) **Pads-** 12 velocity sensitive (w/Dynamic Articulation) **Sample/DAC Bit Resolution-** 16/18 **Sounds-** 233 **Sounds Accessible via Pads-** 12 **Sounds Accessible via MIDI-** 120 **Polyphony-** 16 voice **Panning-** 7 position user programmable **Velocity Response-** Loudness; 8 levels via pads, 127 via MIDI **Timing Resolution-** 96 ppq **Time Signature Range-** 1-128 beats per pattern **Tempo Range-** 20-255 bpm **Notes/Patterns/Songs-** 12,000/400 (200 user, 200 preset)/100 **Kits-** 50 user, 50 preset **MIDI Program Change Response-** Kit **Sync-** MIDI Clock/Song Position Pointer **Footswitch Jacks/Functions-** 2; start/stop, count/A/B/fill **Other Features-** sound stacking, step editing, stereo samples with reverb and ambience **Dynamic Articulation™-** Modulates tone

D4

Audio Outputs- 4 (2 stereo pairs) **Trigger Input Jacks-** 12, 1/4" w/variable sensitivity curves **DAC Bit Resolution-** 18 **Sample Rate-** 48kHz **Sounds-** Over 400; includes stereo samples with reverb and ambience, and dynamic articulation **Polyphony-** 16 voice **Panning-** 7 position user programmable **Velocity Response-** 127 levels of loudness via MIDI or trigger inputs **Kits-** 21 Memory locations w/defaults permanently stored in ROM **MIDI Jacks-** In, Out/Thru **Headphone Jack-** 1/4" TRS w/variable gain **Switchable Footswitch Jack-** 1/4" jack can be assigned to high-hat or program advance mode **Tuning Scheme-** Coarse (chromatic) and Fine (cents) **Data Input-** Data knob, front panel keypad; sound auditioning via velocity sensitive preview button on front panel **Dynamic Articulation™-** Modulates tone and pitch

MMT-8

Clock Resolution in PPQ- 96 **Number of tracks/patterns/songs-** 8/100/100 **Sync-** MIDI Clock/Song Position Pointer, FSK **Channels per track-** 16 **Total number of MIDI channels-** 16 **MIDI In/Out/Thru-** 1/1/1 **Display size-** 16x2 **Note Capacity-** 10,000 **Data Storage-** SYSEX, data cassette

DATADISK SQ

Sync- MIDI clock **Maximum File Size-** equal to disk capacity (up to 800K) **Storage format-** 3.5" floppy disk **File Identification-** Manufacturer, product, 8-character file name **MIDI I/O-** SYSEX dumps/loads direct to disk, real time MIDI event Record/Playback direct to disk

QUADRAVERB PLUS

Frequency Response- 16Hz-20kHz **Dynamic Range-** 90dB **Harmonic Distortion-** .1% typical @1kHz @0dBV **Digital Conversion Scheme-** 16 Bit Linear PCM **Processor Speed-** 24 million instructions per second **Inputs-** 2 Channels on 1/4" jacks, Nominal Level -10 to +4dBV, Peak Level +20dBV, Impedance 1MΩ per channel in stereo, 500kΩ per channel in mono **Outputs-** 2 Channels on 1/4" jacks, Matrixed Stereo, Peak level +14dBV (Effect), +20dBV (Direct), Impedance 1KΩ **Front Panel-** Input and Output Controls, Programming buttons **Rear Panel-** Input L/R, Output L/R, Bypass, Power, MIDI In, MIDI Out/Thru **Power-** 9VAC External Transformer, UL Approved **Dimensions-** (WxHxD) 19"x1.75"x7" **Weight-** 4.5 lbs.

QUADRAVERB GT

The Quadraverb GT has all of the features of the Quadraverb Plus.

In addition the Quadraverb GT includes:

Preset EQ Curves- 6 **Preamp Compression Levels-** 7 **Overdrive Options-** 7 **Distortion Options-** 8 **Preamp Tone settings-** Flat/Presence/Bright **Bass Boost-** In/Out **Cabinet Simulators-** 2 **Expanded Resonator Control-** Up to 5 resonators with individual Tune, Decay, and Amplitude, with parametric EQ **Effects Send and Return Jacks-** 1/4" Mono **Effects Send Impedance-** 100Ω **Effects Return Impedance-** 47kΩ **Input Impedance-** 500kΩ per side in stereo, 250kΩ mono **Output Impedance-** 500Ω per side in stereo, 250Ω mono **Noise Gate-** 16 levels, In/Out, Auto Gate

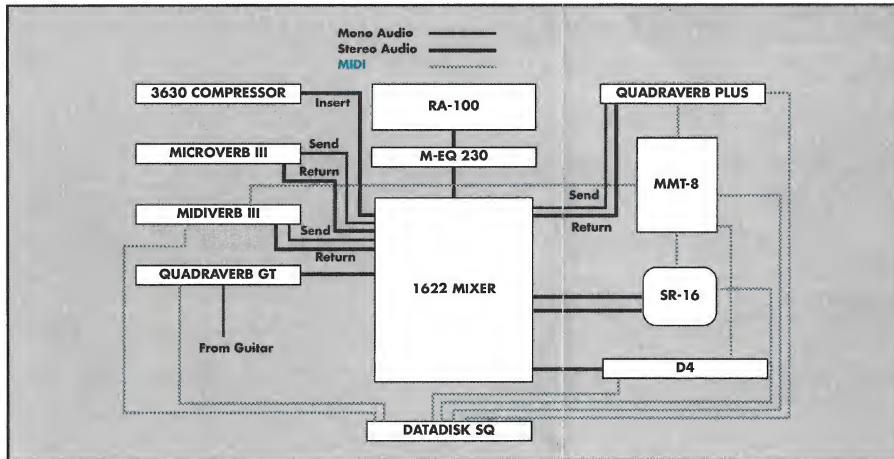
MIDIVERB III

Frequency Response- 16Hz -15kHz **Dynamic Range-** 85dB **Harmonic Distortion-** .1% typical @1kHz @ 0dBV **Digital Conversion Scheme-** 16 Bit Linear PCM **Processor Speed-** 2 million instructions per second **Sampling Frequency-** 31.25kHz **Inputs-** 2 channels on 1/4" jacks, Nominal Level +4dBV, Maximum Level +20dBV, Impedance 1MΩ per channel in stereo, 500kΩ per channel in mono **Outputs-** 2 Channels on 1/4" jacks, Matrixed Stereo, Maximum level +14dBV (Effect), +20dBV (Direct), Impedance 1KΩ **Front Panel-** Input, Mix, and Output Controls, Programming buttons **Rear Panel-** Input L/R, Output L/R, Bypass, Power, MIDI In, MIDI Out/Thru **Power-** 9VAC External Transformer, UL Approved **Dimensions** (WxHxD) 19"x1.75"x7" **Weight** 4.5 lbs.

MICROVERB III

Frequency Response- 20Hz-15kHz (Effect), 20kHz (Direct), ±2dB **Dynamic Range-** 85dB **Harmonic Distortion-** .15% @ 1kHz @ 0dBV **Inputs-** Number of Channels- 2, Nominal Level +4dBV, Maximum Level +20dBV, Impedance 50kΩ per channel in stereo, 25kΩ per channel in mono **A/D-D/A** **Conversions-** Conversion Scheme- 16 bit Linear PCM, Processor Speed- 2 Million instructions per second, Processor Memory- 16K x 16 bit, Sampling Frequency- 31.25kHz **Outputs-** Number of channels- 2, Matrixed Stereo, Maximum Level +14dBV (Effect), +20dBV (Direct), Impedance 470Ω **Front Panel-** Controls- Input Level, Program Variation, Mix Level, High EQ, Output Level, Low EQ, Program Selection, Indicators- Tri-colored LED Level Indicator **Rear Panel-** Jacks- Input Left and Right- 1/4", Output Left and Right- 1/4", Defeat- 1/4", Power- 5.5mm Barrel Jack **Power Requirements-** 9 VAC, 5 Volt Amps external Transformer, UL approved **Dimensions-** (WxHxD) 19"x1.75"x4" **Weight-** 2 lbs. 10oz.

C A T I O N S



M-EQ 230

Frequency Response: +0dB -1.5dB 20Hz to 20kHz **Dynamic Range:** 107dB
A weighted THD + Noise: less than 0.005% @ 0dB 20Hz - 20kHz **Gain:**
 0dB (unity), EQ bypassed **Max. Voltage Gain:** +12dB **Indicator LEDs:**
 Power "on" - red, Signal Present - green, In/Out - green, Peak Indicator - red
 (turns on when instantaneous level is +18dB) **Controls:** 25 / 31 / 40 / 50 / 62
 80 / 100 / 125 / 160 / 200 / 250 / 320 / 400 / 500 / 640 / 800 / 1k / 1.3k / 1.6k
 2k / 2.5k / 3.15k / 4k / 5k / 6.2k / 8k / 10k / 13k / 16k / 20kHz level controls,
 in/out switch, ± 12 dB input level control **Range Of Boost/Cut:** ± 12 dB **Input**
Impedance: 500k Ω (unbalanced) **Output Impedance:** 240 Ω (unbalanced)
 Input/Output jacks: 1/4" L-R, RCA L-R **Power Requirements:** 120 VAC
 60Hz, UL approved external transformer **Dimensions (WxHxD):**
 19"x1.75"x4" **Weight:** 2.5 lbs.

3630 COMPRESSOR

(Each channel) **Input Impedance:** greater than 100k Ω , unbalanced **Max. Input**
Level: 10VRMS (+22dBu) **Dynamic Range:** 118dBV, 'A' weighted **Signal to Noise**
Ratio: ≥ 100 dB **Headroom:** 18dB **Distortion:** $\leq 0.05\%$ @ +4dBu, 'A' weighted with
 6dB compression, any switch setting, nominal attack and release times **Threshold**
of Limiting: -40dBu to +20dBu **Peak Mode Attack Time:** 0.1ms - 200ms **Peak**
Mode Release Time: 50ms - 3s **RMS Average Mode Attack and Release Times:**
 Program dependent **Compression Ratio:** 1:1 - ∞ :1 with selectable hard or soft
 compression knee **Gate Threshold:** Continuously open -10dBu **Gate Rate Time:**
 20ms - 2s **Output Impedance:** 470 Ω , unbalanced **Output Gain Control Range:**
 -20 to +20dB **Nominal Output "Zero" Level:** +4dBu or -10dBu, switchable
Indicators: 12 segment gain reduction LED display with -1 to -30dB range,
 12 segment LED input/output (selectable) level display with -30 to +6dB range,
 Gate open/close LEDs **Additional Controls:** Stereo/dual mono link switch, bypass
 switch **Input Connectors:** 1/4" phone jack **Output Connectors:** 1/4" phone jack
Sidechain Connectors: 1/4" TRS jack **Power Requirements:** External 9VAC Trans-
 former, UL approved **Note:** 0dBu = 0.775V RMS; 0dBV = 1V RMS

1622 MIXER

Frequency Response
 20Hz to 20kHz, 0/-2dB
Total Harmonic Distortion
 Less than .015% 20Hz to 20kHz
Crosstalk
 -91dB channel to channel @ 1kHz
Signal to Noise Ratio
 95dB single channel. Headroom 14dB
Hum and Noise
 (20Hz to 20kHz, R=150 Ω , Input trim set at "-10")
 -104dB residual output noise
 -93dB MASTER OUT Master fader at nominal
 level and all CH faders at minimum level -92dB
 MASTER OUT Master fader and one CH fader at
 nominal level
 -96dB EFFECTS SEND Master level control at
 nominal and all CH AUX controls at minimum level
 -93dB EFFECTS SEND Master level control and
 one AUX control at nominal level
Maximum Voltage Gain
 +54dB Mic Input to Master Output
 +18dB Effects Returns, Masters, SubMasters,
 Aux Sends, Direct Outs, Insert Sends

RA-100

Output Power: 100 watts into 4 Ω /75 watts into 8 Ω
THD: $\leq 0.05\%$ THD @ 1kHz (8 Ω),
 $\leq 0.19\%$ THD @ 1kHz (4 Ω)
Frequency Response: ± 1 dB 20Hz - 20kHz
Noise: Greater than 100dB below full output
Damping Factor: 200 @ 8 Ω
Input Sensitivity: .5 VRMS for full output
Input Impedance: 7k Ω , unbalanced
Input Connectors: 1/4" phone jacks
Output Connectors: 1/4" phone jacks and push clip terminals

Front Panel Controls

Trim x 16, +30/-10dB boost/cut
 Hi EQ x 16, 10kHz ± 12 dB boost/cut
 Low EQ x 16, 100Hz ± 12 dB boost/cut
 Pre-Fader Sends 1 - 2 x 16
 Post-Fader Sends 3 - 6 x 16
 Pan Control x 18
 Channel Fader x 16
 Return Level 1 - 8
 SubMaster Faders 1 & 2
 Monitor Volume
 Send Masters 1 - 6
 Return Pan 1 - 4
 Master Faders 1 & 2

Front Panel Indicators

Power LED
 Solo LED
 15 Segment LED Peak Meters x 2

Front Panel Switches

Master Assignment x 16
 Mute x 16
 Tape/Master
 SubMaster to Master Assignment
 SubMaster Assignment x 16
 Solo x 16
 Control Room Defeat

Rear Panel Jacks

Microphone Inputs - XLR x 8
 Line Inputs - mono 1/4" x 16
 Aux Sends - mono 1/4" x 6
 Channel Inserts - 1/4" TRS x 16
 Direct Outs - mono 1/4" x 8
 Tape Returns - mono 1/4" x 2
 Power - 4 pin DIN
 Main Outputs - mono 1/4" x 2
 Main Out Inserts - 1/4" TRS x 2
 Sub Out - mono 1/4" x 2
 Sub Out Inserts - 1/4" TRS x 2
 Monitor Outputs - mono 1/4" x 2
 Aux Returns - mono 1/4" x 8
 Headphone - 1/4" TRS

Rear Panel Switches

On/Off
 Main Outputs +4/-10dB operation

Power Requirements

External 9VAC power supply, UL
 approved

Dimensions

(W x H x D) 19" x 21" x 1.5" - 6"

Weight

Appx. 14 lbs